IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Method~~ A method for transmitting data between at least one transmitter and at least one receiver~~, in the form of~~ comprising:

transmitting packets of ~~at least one~~ data ~~item,~~;

associating each of said ~~data~~ packets ~~being associated~~ with an identifier ~~of said packet, said receiver periodically sending~~;

receiving a feedback message ~~to said transmitter~~ from a receiver, ~~comprising at least one~~ each feedback message including a bitmap block associated with a predetermined number of ~~data~~ packets having consecutive identifiers, so as to ~~selectively~~ inform said transmitter of a state of acknowledgement which includes at least one of an [[(]]acknowledged state or an unacknowledged[[)]] state of each of said ~~data~~ packets ~~of~~ associated with said bitmap block~~, characterized in comprising at least one step of~~ ;and

associating ~~at least one~~ a timer with ~~at least some of~~ said bitmap ~~blocks~~ block.

Claim 2 (Currently Amended): ~~Data transmission~~ The method according to claim 1, ~~characterized in comprising, for a given bitmap block, a first step of~~ further comprising activating said timer, when said transmitter sends to said receiver [[the]] a first of said ~~data~~ packets having ~~of~~ consecutive identifiers associated with said bitmap block, ~~so that said timer switches to said~~ and switching said timer to an activated state.

Claim 3 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 1 and 2~~ Claim 1~~, characterized in comprising, for a given bitmap block, a first step of~~ further comprising deactivating said timer after a ~~predetermined~~ maximum duration, and ~~in that said data packets of said block are then considered by said transmitter in~~ then considering

said packets associated with said bitmap block to be in said unacknowledged state by said transmitter.

Claim 4 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 1 to 3, characterized in comprising, for a given bitmap block, a second step of~~ Claim 1, further comprising deactivating said timer when said transmitter receives a cumulated acknowledgement of ~~at least~~ said ~~data~~ packets ~~of~~ associated with said bitmap block, indicating that said ~~data~~ packets ~~of~~ associated with said bitmap block are in said acknowledged state.

Claim 5 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 1 to 4, characterized in comprising, for a given bitmap block, a third step of~~ Claim 1, further comprising deactivating said timer, when said transmitter receives a feedback message ~~comprising at least~~ including said bitmap block.

Claim 6 (Currently Amended): ~~Data transmission~~ The method according to claim 5, ~~characterized in that, when~~ further comprising, upon the transmitter ~~receives~~ receiving said feedback message, ~~a step of~~ analysing said feedback message ~~is implemented, so as~~ to determine said acknowledged or unacknowledged state of each of said ~~data~~ packets ~~of~~ associated with said bitmap block.

Claim 7 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 3 to 6~~ Claim 3, ~~characterized in that, at the end of one of said steps of~~ further comprising after deactivating said timer, and wherein at least one ~~data~~ packet ~~of~~ associated with said bitmap block being in said unacknowledged state, ~~a step of~~ positioning at least

some unacknowledged ~~data~~ packets ~~of~~ associated with said bitmap block in a retransmission queue ~~is implemented~~.

Claim 8 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 6 and~~ Claim 7, ~~characterized in that, at the end of said analysis step, a step of~~ further comprising after analyzing checking ~~the~~ for a presence, in said retransmission queue, of at least one acknowledged ~~data~~ packet ~~of~~ associated with said bitmap block ~~is implemented~~, and ~~in that,~~ when the presence in said queue of at least one acknowledged ~~data~~ packet of said block has been confirmed, ~~a step of~~ deleting said at least one of said acknowledged ~~data packet(s)~~ packets ~~of~~ associated with said bitmap block from said retransmission queue ~~is implemented~~.

Claim 9 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims~~ Claim 7 ~~and 8, characterized in that at least one step of~~ further comprising retransmitting said ~~data~~ packet(s) of said block positioned in said retransmission queue ~~is implemented~~, and ~~a second step of~~ activating said timer ~~of~~ associated with said block ~~is implemented~~ when a ~~the~~ first of said ~~data~~ packets ~~of~~ associated with said bitmap block positioned in said queue [[are]] is retransmitted.

Claim 10 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 1 to 9~~ Claim 1, ~~characterized in that~~ further comprising communicating with an ARQ (Automatic Repeat Request) ~~type~~ protocol ~~is implemented~~.

Claim 11 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 1 to 10~~ Claim 1, ~~characterized in~~ further comprising ~~at least one time stamping step of~~ associating a time stamp with at least some ~~data~~ packets in said unacknowledged state.

Claim 12 (Currently Amended): ~~Data transmission~~ The method according to claim 11, ~~characterized in that~~ further comprising activating said time stamp ~~is activated~~ when said transmitter sends said associated ~~data~~ packet.

Claim 13 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 7 to 12~~ Claim 7, ~~characterized in that~~ wherein said positioning ~~step comprises a preliminary sub-step of selecting data~~ includes sub-selecting packets to be positioned in said queue, depending on ~~at least one predetermined~~ a selection criterion.

Claim 14 (Currently Amended): ~~Data transmission~~ The method according to claim [[12]]13, ~~characterized in that~~ wherein said selection criterion takes into account at least one ~~item of the information belonging to the group composed of: the~~ of a value of said time stamp associated with an unacknowledged ~~data~~ packet ~~of~~ associated with said block~~; the~~ and an ARQ class of said receiver.

Claim 15 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims~~ Claim 13 ~~and 14~~, ~~characterized in that~~ wherein said ~~selection sub-step allows the selection of said~~ sub-selecting includes selecting an unacknowledged ~~data packet(s) of~~ packet associated with said block[[,]] and associated with a time stamp having a value greater than or equal to said ~~predetermined~~ maximum duration.

Claim 16 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 11 to 15~~ Claim 11, ~~characterized in that~~ wherein said positioning ~~step further comprises,~~ includes for each of said selected ~~data~~ packets, ~~a sub-step of~~ deactivating said associated time stamp.

Claim 17 (Currently Amended): ~~Data transmission~~ The method according to ~~claims 9 and 13~~ Claim 9, ~~characterized in that,~~ wherein when all unacknowledged ~~data~~ packets ~~of~~ associated with said bitmap block have been selected in said ~~selection sub-step~~ sub-selecting, said timer takes ~~the following~~ a value V(T) ~~during said second activation step:~~ wherein,

$V(T) = t(\text{activation}) + d_{max}$,

where t (activation) is [[the]] a current time value ~~during said second activation step~~, and where d_{max} is said ~~predetermined~~ maximum duration,

~~and in that~~ wherein

the timer associated with each ~~data~~ packet of the bitmap block positioned in said queue is activated and takes the current time value during said retransmission of said ~~data~~ packet.

Claim 18 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 15 to 17~~ Claim 15, ~~characterized in that, at the end of said first step of~~ wherein after deactivating said timer,

if at least one unacknowledged ~~data~~ packet of said block, associated with a time stamp having a value of less than said predetermined maximum duration, has not been selected during said ~~selection sub-step~~ sub-selecting, ~~a third step of~~ activating said timer of said bitmap block ~~is implemented~~, so that said timer takes ~~the following~~ a value V(T):

V(T) = V(run) + (Time ~~stamp[i]~~ stamp(i) - Time ~~stamp[j]~~ stamp(j)),

where V(run) is the value of said timer during ~~said step of~~ said timer running in said deactivated state,

Time ~~stamp[j]~~ stamp(j) is the greater value of said time stamps associated with said unacknowledged ~~data~~ packets associated with said bitmap block selected during said ~~selection sub-step~~ sub-selecting,

and Time ~~stamp[j]~~ stamp(j) is the greater value of said time stamps associated with said unacknowledged ~~data~~ packets [[of]] associated with said bitmap block not selected during said ~~selection sub-step~~ sub-selecting.

Claim 19 (Currently Amended): ~~Data transmission~~ The method according to claim 6 ~~and any of claims 11 to 18, characterized in that, at the end of said step of~~ wherein after ~~analysing~~ analyzing said feedback message, said method implements, for each of said acknowledged ~~data~~ packets [[of]] associated with said bitmap block, ~~a step of~~ deactivating said associated time stamp.

Claim 20 (Currently Amended): ~~Data transmission~~ The method according to ~~any of claims 14 to 19~~ Claim 14, ~~characterized in that, at the end of said third step of~~ wherein after deactivating said timer, if at least one unacknowledged ~~data~~ packet of said bitmap block has not been selected during said ~~selection sub-step~~ sub-selecting depending on a decision criterion related to the ARQ class of said receiver, ~~a fourth step of~~ activating said timer of said block ~~is implemented,~~ so that said timer takes ~~the following~~ a value V(T):

$V(T) = V(run) + (d_{max} - (t - \text{Time stamp}~~[i]~~)~~ (i)))$,

where V(run) is [[the]] a value of said timer during ~~said step of~~ said timer running in said deactivated state,

d_{max} is said ~~predetermined~~ maximum duration,

t is [[the]] a current time value,

and Time ~~stamp[i]~~ stamp (i) is the greater value of said time stamps associated with said unacknowledged ~~data~~ packets associated with said bitmap block not selected during said ~~selection sub-step~~ sub-selecting.

Claim 21-23 (Cancelled).

Claim 24 (New): A method for receiving packets by a receiver from a transmitter, each of said packets including an identifier, said method comprising:

receiving the packets from the transmitter;

transmitting a feedback message from the receiver, said feedback message including a bitmap block associated with a predetermined number of packets having said associated identifiers, so as to inform said transmitter of a state of acknowledgement regarding said packets with said corresponding identifiers, said acknowledgment state includes an acknowledged state or an unacknowledged state, wherein information in said bitmap block is associated with a timer at the transmitter.

Claim 25 (New): A source transceiver configured to transmit packets to a target transceiver, said source transceiver comprising:

a packet identifier configured to identify said packets to said target transceiver;

a transmitter configured to send said packets to said target transceiver; and

a receiver configured to receive a feedback message from said target transceiver, said feedback message including a bitmap block, wherein said bitmap block is associated with a predetermined number of said packets with corresponding identifiers, said bitmap block

further including a state indicator for each of said packets with said associated identifiers so as to be indicative of a state of acknowledgement of at least a plurality of said packets; and

a timer associated with some of said bitmap blocks.

Claim 26 (New): A target transceiver configured to receive packets from a source transceiver, said target transceiver comprising:

a receiver configured to receive said packets from said source transceiver;

a transmitter configured to send a feedback message to said source transceiver, said feedback message including a bitmap block, wherein said bitmap block is associated with a predetermined number of said packets with corresponding identifiers, said bitmap block further including a state indicator for each of said packets with said associated identifiers, so as to inform said source transceiver of a state of acknowledgement of at least a plurality of said packets, wherein said bitmap block is associated with a timer.

Claim 27 (New): A system comprising:

a source transceiver configured to transmit packets to a target transceiver, said source transceiver including

a packet identifier configured to identify said packets to said target transceiver,

a first transmitter configured to send said packets to said target transceiver,

a first receiver configured to receive a feedback message from said target transceiver, said feedback message including a bitmap block, wherein said bitmap block is associated with a predetermined number of said packets with corresponding identifiers, said bitmap block further including a state indicator for each of said packets with said associated identifiers so as to be indicative of a state of acknowledgement of at least a plurality of said packets, and

said source transceiver includes a timer associated with some of said bitmap blocks; and

a target transceiver configured to receive packets from the source transceiver, said target transceiver including

a second receiver configured to receive said packets from said source transceiver and

a second transmitter configured to send said feedback message to said source transceiver.